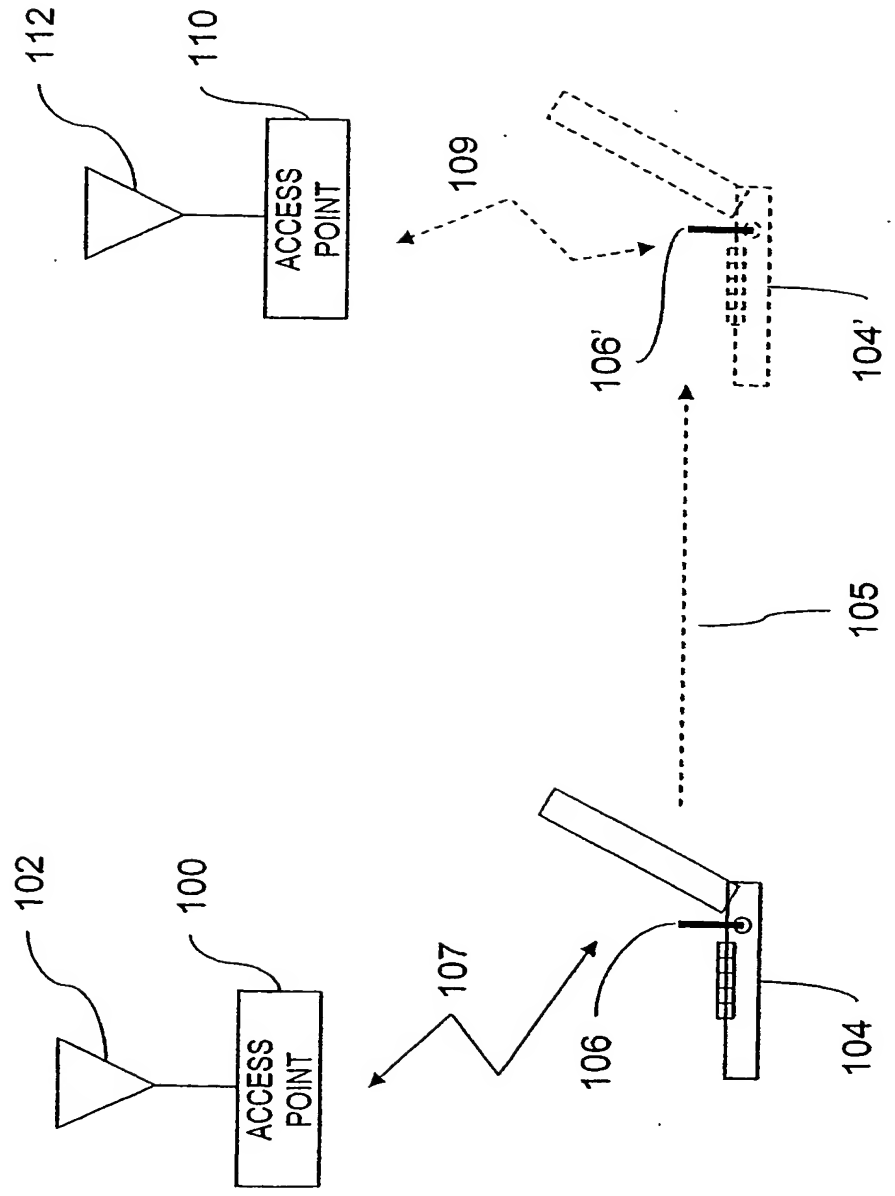
112
110
ACCESS POINT
109
106'
104'
105
102
100
ACCESS POINT
107
106
104

Fig. 1

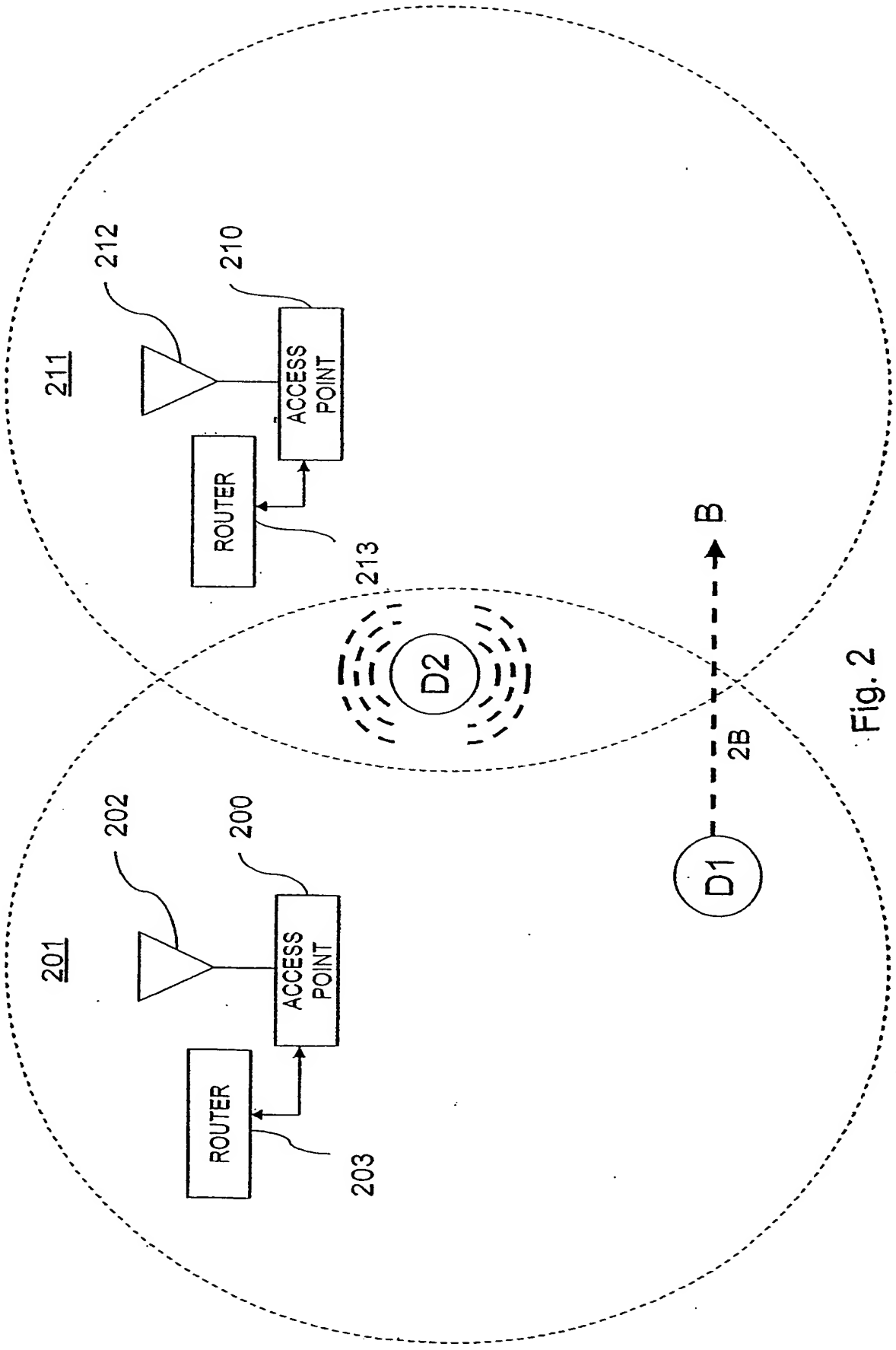
212
210
211
ACCESS POINT
ROUTER
213
D2
B
2B
D1
202
200
201
ACCESS POINT
ROUTER
203

Fig. 2

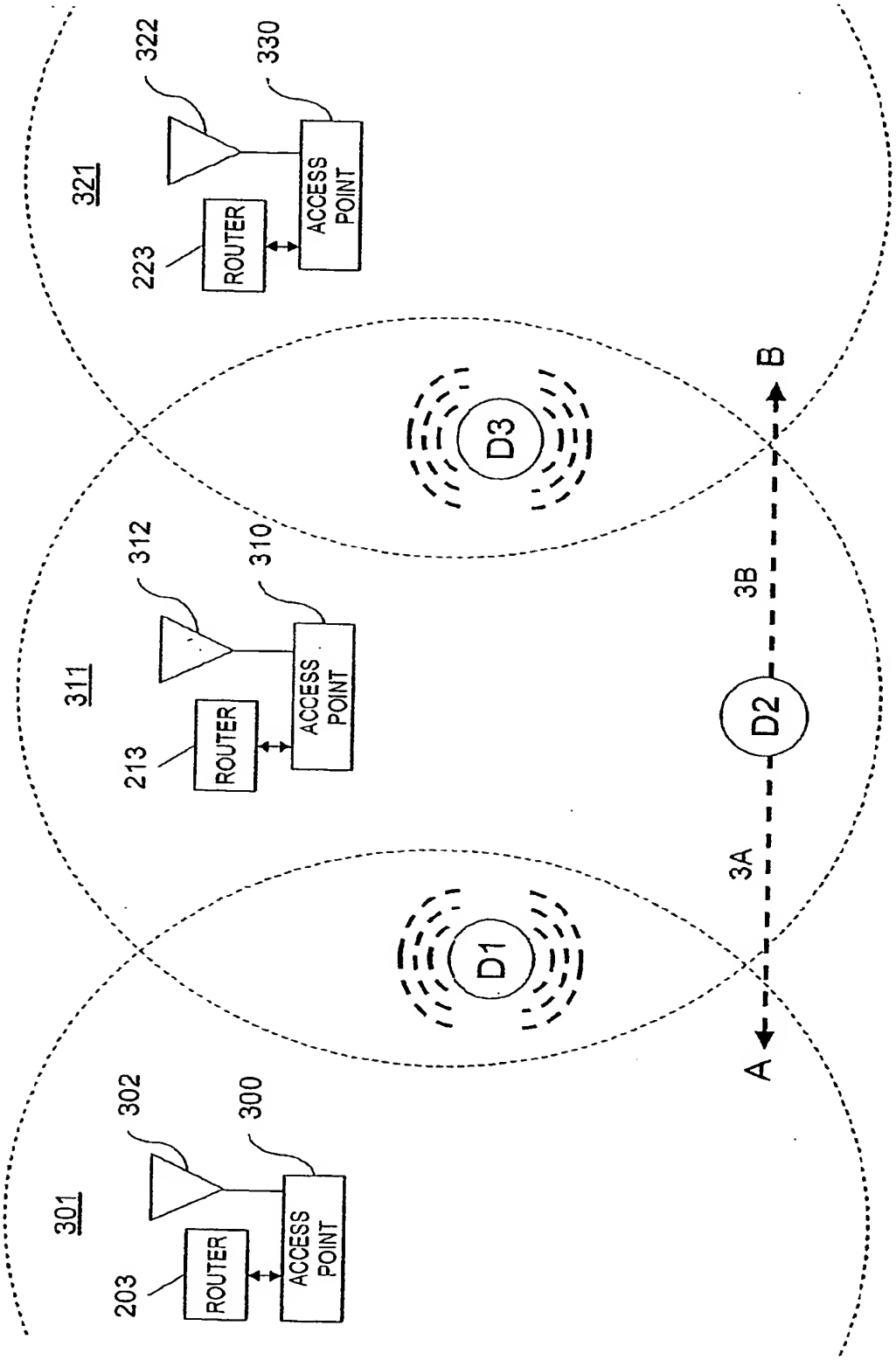
301
311
321
203
213
223
ROUTER
ROUTER
ROUTER
ACCESS POINT
ACCESS POINT
ACCESS POINT
300
302
310
312
330
322
D1
D2
D3
A
3A
3B
B

Fig. 3

Priority	Last Hit
1st	AP 1
2nd	AP 4
...	...
nth	AP x

Fig. 4A

Priority	Total	Access Point
1st	555	7
2nd	400	9
...	...	...
nth	1	x

Fig. 4B

Priority	Average	Access Point
1st	55	5
2nd	40	22
...	...	...
nth	1	x

Fig. 4C

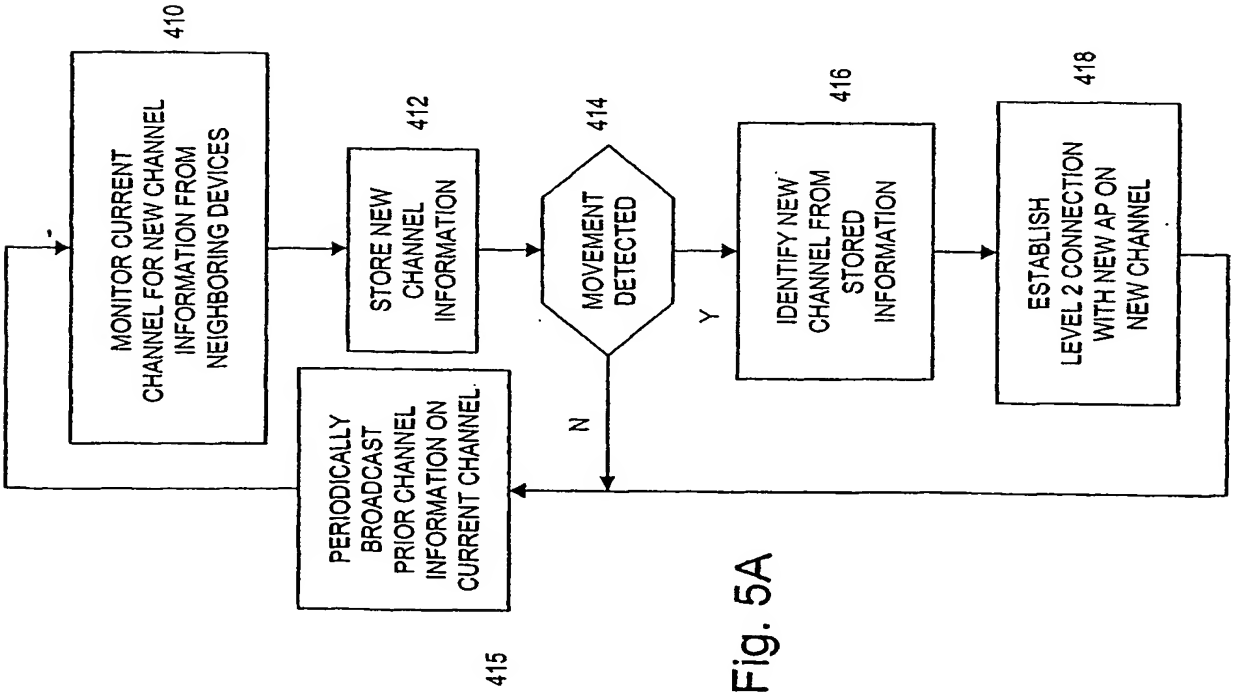
MONITOR CURRENT CHANNEL FOR NEW CHANNEL INFORMATION FROM NEIGHBORING DEVICES
410
STORE NEW CHANNEL INFORMATION
412
MOVEMENT DETECTED
414
IDENTIFY NEW CHANNEL FROM STORED INFORMATION
416
ESTABLISH LEVEL 2 CONNECTION WITH NEW AP ON NEW CHANNEL
418
PERIODICALLY BROADCAST PRIOR CHANNEL INFORMATION ON CURRENT CHANNEL
415
Y
N

Fig. 5A

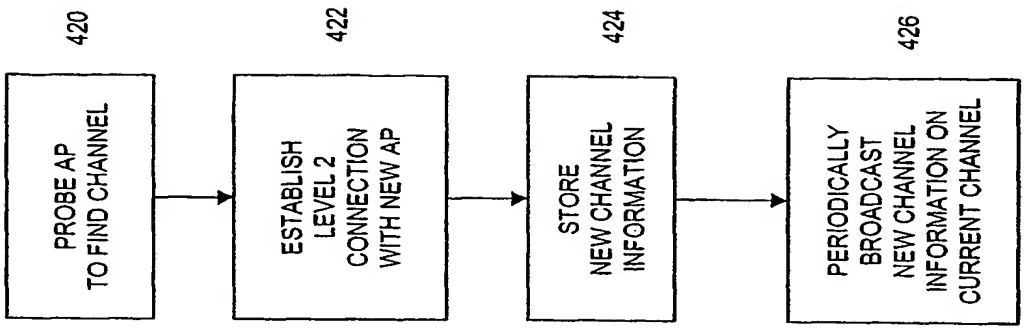
PROBE AP TO FIND CHANNEL
420
ESTABLISH LEVEL 2 CONNECTION WITH NEW AP
422
STORE NEW CHANNEL INFORMATION
424
PERIODICALLY BROADCAST NEW CHANNEL INFORMATION ON CURRENT CHANNEL
426

Fig. 5B

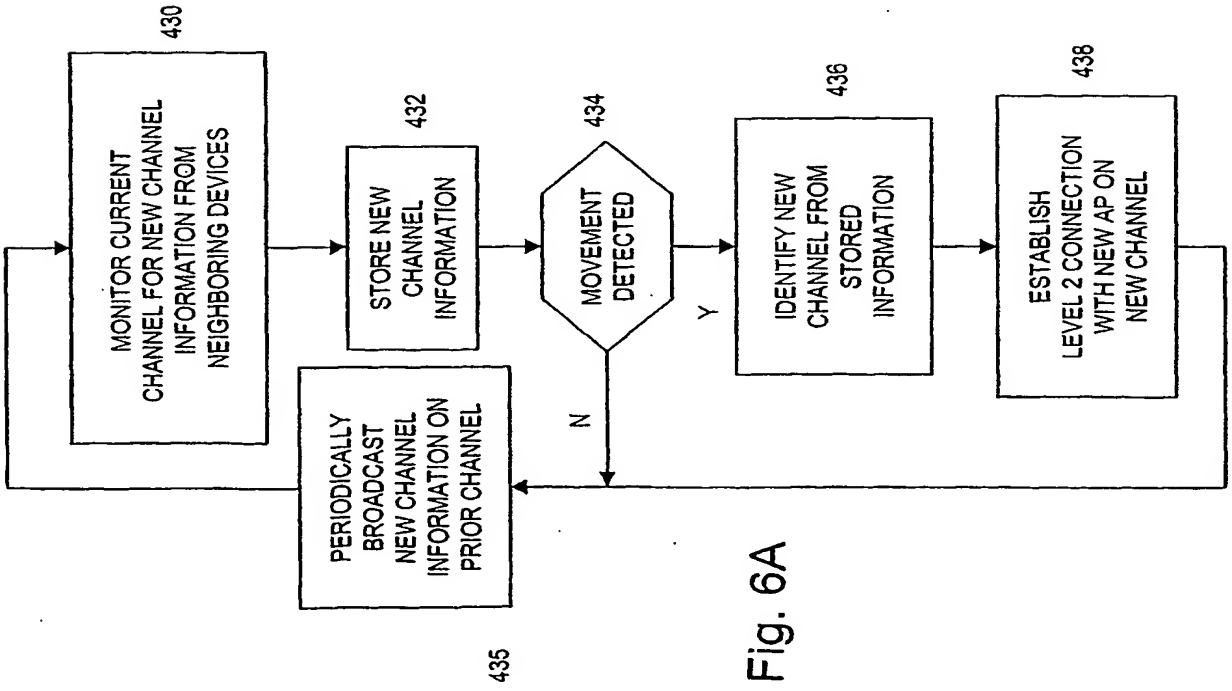
MONITOR CURRENT CHANNEL FOR NEW CHANNEL INFORMATION FROM NEIGHBORING DEVICES
430
STORE NEW CHANNEL INFORMATION
432
MOVEMENT DETECTED
434
Y
N
IDENTIFY NEW CHANNEL FROM STORED INFORMATION
436
ESTABLISH LEVEL 2 CONNECTION WITH NEW AP ON NEW CHANNEL
438
PERIODICALLY BROADCAST NEW CHANNEL INFORMATION ON PRIOR CHANNEL
435

Fig. 6A

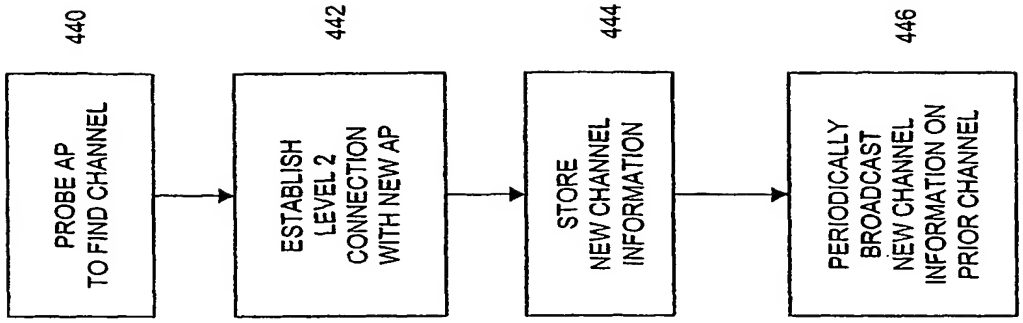
PROBE AP TO FIND CHANNEL
440
ESTABLISH LEVEL 2 CONNECTION WITH NEW AP
442
STORE NEW CHANNEL INFORMATION
444
PERIODICALLY BROADCAST NEW CHANNEL INFORMATION ON PRIOR CHANNEL
446

Fig. 6B

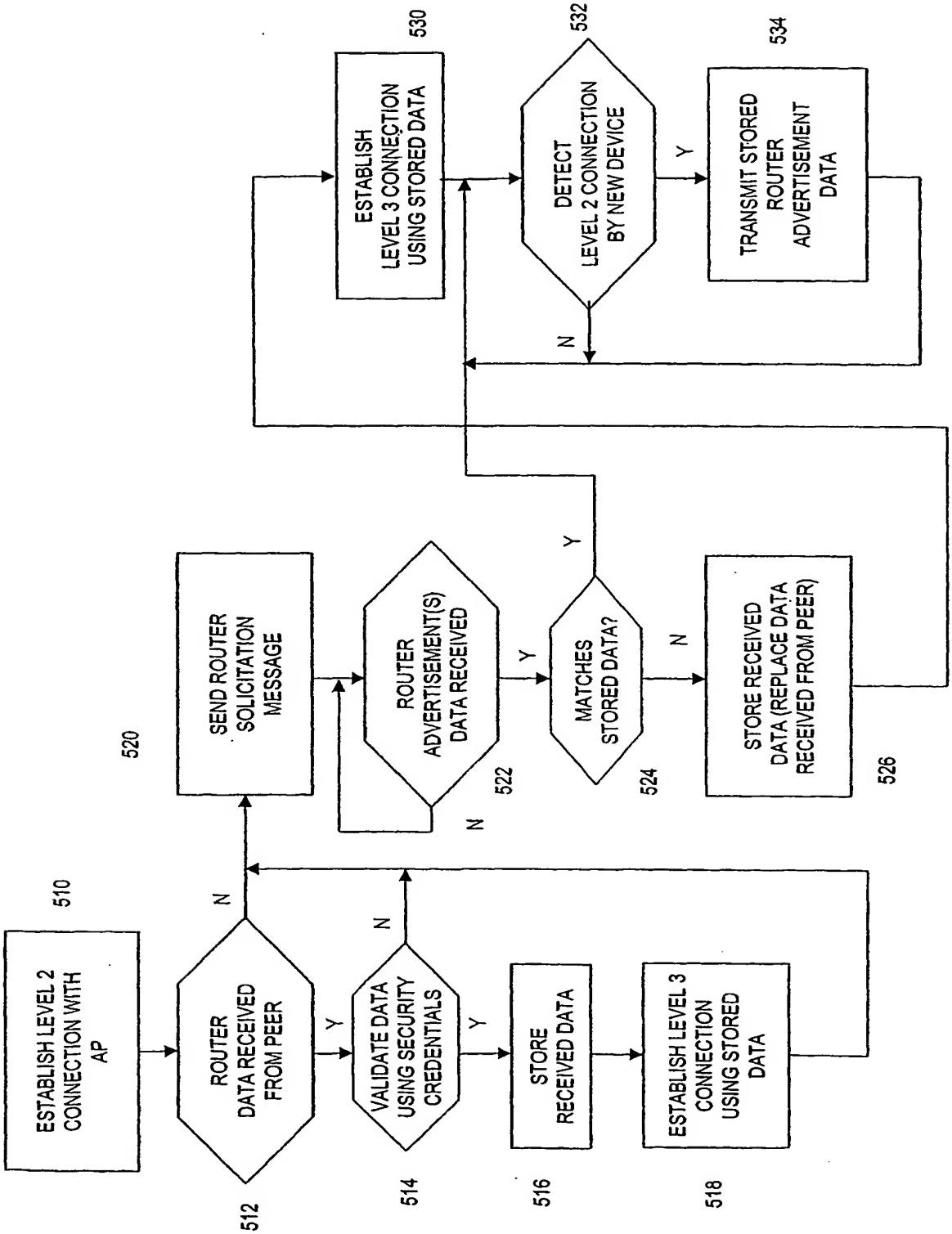
ESTABLISH LEVEL 2 CONNECTION WITH AP
510
ROUTER DATA RECEIVED FROM PEER
512
N
Y
VALIDATE DATA USING SECURITY CREDENTIALS
514
N
Y
STORE RECEIVED DATA
516
ESTABLISH LEVEL 3 CONNECTION USING STORED DATA
518
SEND ROUTER SOLICITATION MESSAGE
520
ROUTER ADVERTISEMENT(S) DATA RECEIVED
522
N
Y
MATCHES STORED DATA?
524
N
Y
STORE RECEIVED DATA (REPLACE DATA RECEIVED FROM PEER)
526
ESTABLISH LEVEL 3 CONNECTION USING STORED DATA
530
DETECT LEVEL 2 CONNECTION BY NEW DEVICE
532
N
Y
TRANSMIT STORED ROUTER ADVERTISEMENT DATA
534

Fig. 7